MOAMEN SAEED IBRAHIM MOUSSA TALHA

Home: Sidi Bishr Qebli, District of El-Montaza first Saeed Ibrahim House, Alexandria, Egypt.
Phone: +201201401542, **Date of Birth:** 20 Sep. 1993
Email: moamen.talha16@yahoo.com

Google Scholar: https://scholar.google.com/citations?user=Jc7R8oIAAAAJ&hl=en&oi=ao
Scopus: https://www.scopus.com/authid/detail.uri?authorId=59897978900
Orcid: https://orcid.org/0009-0006-5108-9174

1. Education

I'm **Moamen Saeed Talha**. I earned my **Bachelor's Degree in Agricultural Engineering** from the **Department of Agricultural and Biosystems Engineering in 2016**, **Alexandria University**, Alexandria, Egypt with a **GPA 3.572 of 4**. With this I graduated **with Excellent of Honors**. My principal goal is to transform industrial liquid wastewater with the microalgae into Bioproducts (usable products) such as Biodiesel, Biofertilizers, and Bio-Electricity, and to improve the water quality and management strategies in Aquaculture with the microalgae.

2. Work Experience:

- **Volunteer Research Assistant**

Feb.2024-Jun.2025

I was working as a volunteer research assistant under the supervision of **Dr. Hanan M. Khairy** at the Hydrobiology Laboratory at the Marine Environmental Department at the National Institute of Oceanography and Fisheries, Alexandria, Egypt from **February 2024 to June 2025**. During this interval, I attended workshops related to the Environmental Management and Environmental Protection with the Microalgae as follows:

a. **Taxonomy and Identification of Algae, their Cultivation and Economic Impact.**
b. **Microalgae: Green Tiny Nature's Powerhouses for Sustainable Development.**
c. **Potential of Nanotechnology in Environmental Management and Aquaculture.**
d. **Plastic Waste Pollution: Joining Efforts for a Green Future.**

- **Farm Irrigation Engineer**

  Mar.2018-Oct.2023

  I worked as an Irrigation Engineer from **1 March 2018 to 1 October 2023**. My responsibilities included: Design, Operation, Installations, and Maintenance of Farm Drip Irrigation Systems. I also designed at least 50 surface drip irrigation systems in Egypt that were used for vegetable production, large-scale agriculture, small-scale agriculture, and Citrus production.

3. **Languages:**

   Arabic: mother tongue
   English: Intermediate Proficiency, Overall Band Score: **5.5 (IELTS Academic)**
   Listening (6), Reading (5), Writing (5.5), Speaking (5)

4. **Volunteer Work Output:**

   I must note that I was working on a good research about the phycoremediation of dairy industry wastewater with the microalgae to produce biodiesel, and I finished all its experimental work in the laboratory of the hydrobiology under the supervision of **Dr. Hanan M. Khairy, Dr. Mark Crocker, and Dr. Andrea Baglieri**, and then we submitted the manuscript of our paper for publishing on 1 November 2024 to the Environmental Science and Pollution Research entitled (Phycoremediation of Dairy Industry Wastewater Using Chlorella sorokiniana: A Cost-Effective Strategy for Biodiesel Production), and the current status of our paper is **published online from 13 May 2025**.

5. **Publications:**

   Talha, Moamen Saeed, et al. “Phycoremediation of dairy industry wastewater using Chlorella sorokiniana: a cost-effective strategy for biodiesel production.” *Environmental Science and Pollution Research* (2025): 1-18. doi:10.1007/s11356-025-36488-z.

6. **References:**

   Dr. Andrea Baglieri

   Full Professor, Department of Agriculture, Food and Environment,
   University of Catania, Italy
   ResearchGate: https://www.researchgate.net/profile/Andrea-Baglieri
   Scopus: https://www.scopus.com/authid/detail.uri?authorId=23970045900

Orcid: https://orcid.org/0000-0003-4959-2935
Email: abaglie@unict.it , **Phone number:** (+39) 0957580240

Dr. Mark Crocker

Emeritus Professor, Department of Chemistry,
CAER Distinguished Scientist and Emeritus Associate Director, University of Kentucky Center for Applied Energy Research, USA
Google Scholar: https://scholar.google.com/citations?user=lHIYp5sAAAAJ&hl=en
Scopus: https://www.scopus.com/authid/detail.uri?authorId=12646350700
Orcid: https://orcid.org/0000-0002-6560-8071
Email: mark.crocker@uky.edu , **Phone number:** (+1) 8593276018

Dr. Hanan M. Khairy

Professor of Aquatic Plants, Department of Marine Environment,
Head of Hydrobiology Laboratory, Department of Marine Environment,
National Institute of Oceanography and Fisheries, NIOF, Alexandria, Egypt
Google Scholar: https://scholar.google.com/citations?user=fIfinX0AAAAJ&hl=en
Scopus: https://www.scopus.com/authid/detail.uri?authorId=36088936800
Orcid: https://orcid.org/0000-0002-4968-9721
Email: hanan_khairy@yahoo.com , **Phone number:** (+20) 1006048854